RESEARCH PROBLEM STATEMENT						
Problem Title:	Pavement Distress in 9.5mm Asphalt vs 12.	5mm Asphalt o	on thin overlays No.:06.02-06			
Submitted By:	Lloyd Neeley / Norton Thurgood		E-mail:Ineeley@utah.gov nthurgood@utah.gov			
1. Briefly describ	e the problem to be addressed:					
	ce suggests that our 3/8" asphalt with high grade AC10 oil is h s to 2 inches. Both asphalts have been placed on I-84 in West					
Strategic Goal:	Preservation Operation	Capacity	Safety	(Check all that app	oly <u>)</u>	
1. Can these findin	ch objective(s) to be accomplished: ligs be duplicated? sing strictly 3/8" with high-grade AC10 for thin overlay, include	ding betterments?				
3. List the major tasks required to accomplish the research objective(s):			Estimated person-hours			
 Fund te Pave in 	ected section for constant starting condition via contract sting and analysis to evaluate existing condition consecutive sections using both asphalts in different areas sections for distress (UDOT Research and Region 1 Pavem eport			\$20,000 40 0 100 20		
•	oposed schedule (when do you need this done, and how ions in summer of 2006. Record distress 3 times in 2007 and	• ,				
5. Indicate type of	f research and / or development project this is:					
	search Project Development Project lesearch Evaluation Experimental Feature New	Product Evaluation	Tech Transf	er Initiative :	Other	
	ntity is best suited to perform this project (University, Co	nsultant, UDOT St	aff, Other Agency	, Other)?		

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- 7. What deliverable(s) would you like to receive at the end of the project? (e.g. useable technical product, design method, technique, training, workshops, report, manual of practice, policy, procedure, specification, standard, software, hardware, equipment, training tool, etc.)

 Performance comparison report of the two oil aggregate size combinations.
- 8. Describe how will this project be implemented at UDOT.

Barry Sharp and Wayne Felix will create work plan.

Wayne Felix and Norton Thurgood will coordinate initial evaluation and construction.

Wayne Felix and Barry Sharp will analyze distress data and create report.

- 9. Describe how UDOT will benefit from the implementation of this project, and who the beneficiaries will be.
 - Initial comparison which can lead to better decisions and perhaps set the stage a more advanced analysis in the future, since this will compare combinations and not specific components.
- 10. Describe the expected risks, obstacles, and strategies to overcome these.
- 11. List the key UDOT Champion of this project (person who will help Research steer and lead this project, and will participate in implementation of the results): Norton Thurgood
- 12. Estimate the cost of this research study including implementation effort (use person-hours from No. 3): \$35,000
- 13. List other champions (UDOT and non-UDOT) who are interested in and willing to participate in the Technical Advisory Committee for this study:

Name	Organization/Division/Region	Phone	Attended UTRAC?
A) Wayne Felix	Region One Pavement Engineer	801-620-1608	Yes
B) Brent Stokes	Region One Station Supervisor	435-2794327	Yes
C) Kevin Griffin	Region One Operations	801-620-1600	Yes
D) Spencer Guthrie	Brigham Young University / Civil Engineering	801-422-3864	Yes
E)			
F)			
G)			

14. Identify other Utah agencies, regional or national agencies, or other groups that may have an interest in supporting this study:

LeGrand Johnson Company

Jack B. Parson Companies

UDOT Central Materials

UDOT Central Maintenance